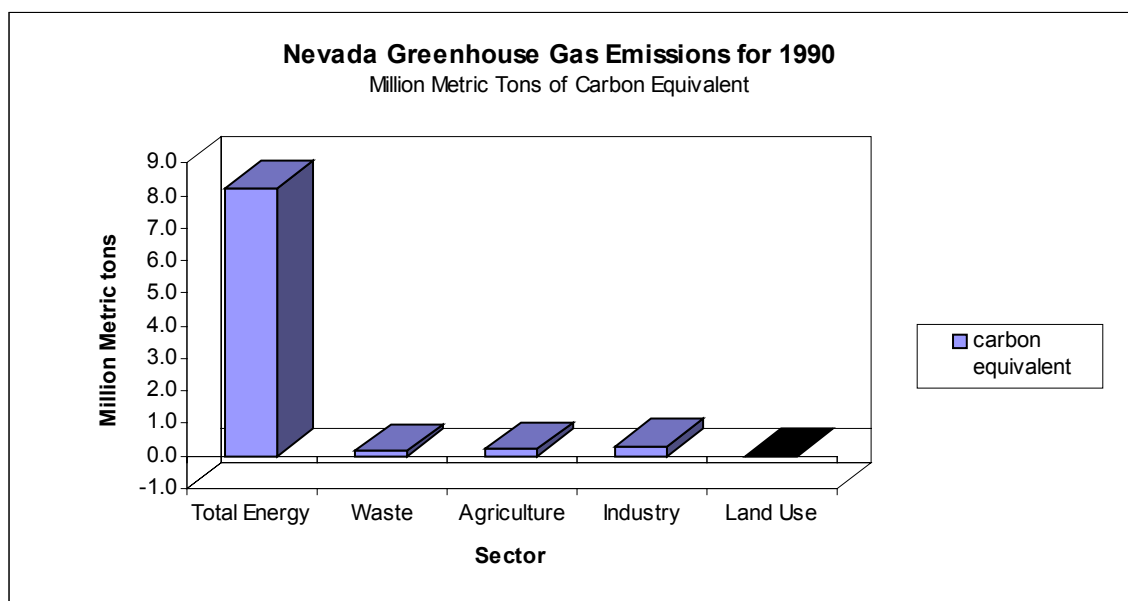


NEVADA GREENHOUSE GAS EMISSIONS AND SINKS INVENTORY: SUMMARY



The report “*Greenhouse Gas Emissions Inventory for Nevada*” provides a detailed inventory of greenhouse gas emissions and sinks for Nevada in 1990. Emissions were estimated using methods from EPA’s 1995 guidance document ***State Workbook: Methodologies for Estimating Greenhouse Gas Emissions***. In 1990, Nevada emitted 8.9 million metric tons of carbon equivalent (MMTCE). Nevada estimated emissions of significantly less than 0.1 MMTCE from biomass fuels. Emissions from this source are not included in the reported total or the table below.¹

The principal greenhouse gases were carbon dioxide, comprising 31.2 million metric tons (8.5 MMTCE), and methane, with 0.06 million metric tons (0.4 MMTCE). Other emissions included approximately 60 metric tons of nitrous oxide (<0.1 MMTCE).

The major source of carbon dioxide emissions was fossil fuel combustion (97%), with minor emissions from industrial processes (3%). Carbon dioxide sinks (i.e., an increase in forest carbon storage) offset about 1% of the total carbon dioxide emissions. Contributors to methane emissions included domesticated animals (50%), landfills (35%), natural gas processing, transmission, and distribution (9%), manure management (5%), and minor emissions from wastewater treatment and agricultural waste burning (1%). All nitrous oxide emissions were accounted for by fertilizer use.

¹ Note that the state of the art emission inventory method has advanced since Nevada completed its inventory. The most recent inventory guidance is available on the Internet at <http://www.epa.gov/ttnchie1/eiip/techrep.htm#green>.

Nevada Greenhouse Gas Emissions for 1990

SECTOR	CO ₂ (MMTCE)	Methane (MMTCE)	Nitrous Oxide (MMTCE)	PFCs (MMTCE)	Total GHG Emissions (MMTCE)
Energy - Residential	0.3	*	*	*	0.3
Energy - Commercial	0.3	*	*	*	0.3
Energy - Industrial	0.7	*	*	*	0.7
Energy - Transport	2.6	*	*	*	2.6
Energy - Utility	4.5	*	*	*	4.5
Total Energy	8.2	0.0	*	*	8.3
Waste	*	0.1	*	*	0.1
Agriculture	*	0.2	0.0	*	0.2
Industry	0.3	*	*	*	0.3
Land Use	0.0	*	*	*	0.0
Total	8.5	0.4	0.0	*	8.9

All emissions are reported in million metric tons of carbon equivalent (MMTCE).

An asterisk (*) indicates that emissions of the gas from this sector were zero, insignificant, or not reported.

Emissions due to coal mining and extraction of natural gas and oil are included in the total energy figures, and emissions from biofuel combustion are excluded.

Nevada emissions in 1990 were 7.4 MTCE per capita, compared to 1990 U.S. emissions of 6.4 MTCE per capita.